

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims:**

1. (ORIGINAL) An anti-cancer composition comprising N,N-dimethylphytosphingosine as an active ingredient.
2. (ORIGINAL) The composition according to claim 1, further comprising at least one phytosphingosine derivatives selected from the group consisting of phytosphingosine, acetylated phytosphingosine and ethylated phytosphingosine.
3. (ORIGINAL) The composition according to claim 2, wherein the weight ratio of N,N-dimethylphytosphingosine to phytosphingosine derivatives is 1:1.
4. (ORIGINAL) A kit for treating cancer comprising the composition of claim 1.
5. (ORIGINAL) The kit of claim 4, comprising the composition as an adjuvants of other anti-cancer drugs.
6. (ORIGINAL) A sphingosine kinase inhibitor composition comprising N,N-dimethylphytosphingosine as an active ingredient.
7. (ORIGINAL) An apoptosis inducing composition comprising N,N-dimethylphytosphingosine as an active ingredient.
8. (ORIGINAL) A protein kinase inhibitor composition comprising N,N-dimethylphytosphingosine as an active ingredient.

9. (CANCELED)

10. (ORIGINAL) A composition for treating a hyperplastic disease comprising N,N-dimethylphytosphingosine as an active ingredient.

11. (ORIGINAL) The composition according to claim 10, wherein the hyperplastic disease is psoriasis.

12. (CANCELED)

13. (CANCELED)